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NPIC/R-49/64
January 1964

PHOTOGRAPHIC INTERPRETATION REPORT

ROCKET TEST FACILITY NEAR PERM, USSR

CIA

DIA

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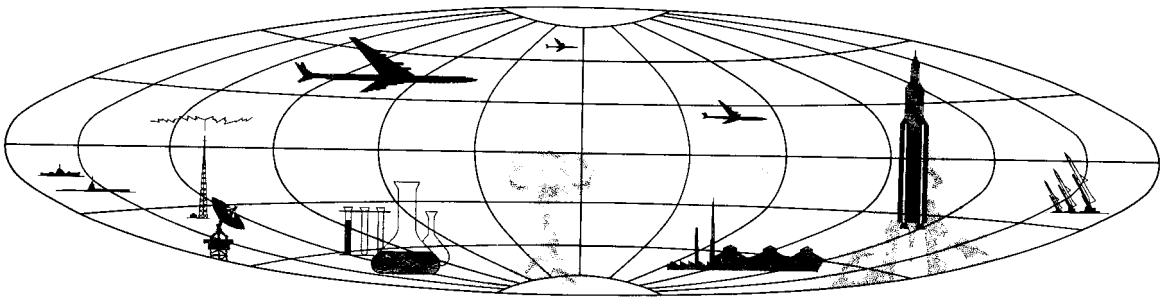
NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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ROCKET TEST FACILITY NEAR PERM, USSR

The Perm Rocket Test Facility is located at 58-01N 56-34E, 10.5 nautical miles (nm) east of Perm, USSR (Figure 1). The facility contains one large vertical stand for testing liquid propellants and associated facilities. The facility appears to be complete and operational on photography of [redacted] When first seen on photography of [redacted] the major buildings were present, but the entering rail line and rail spurs were not complete.

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The Rocket Test Facility is situated in a wooded and well-drained area. A good road connects the facility to a newly constructed highway which extends from Perm eastward to Sviva on the Sylva River. A rail spur from the double-track Perm/Chusovoy rail line enters the southeast side of the facility, then branches into four spurs. A power-line trace to the facility possibly extends from a hydroelectric plant north of Perm.

The facility is surrounded by two fences and a wall. An outer fence encloses 420 acres and an inner fence and a wall 122 acres. The facility itself is mostly within the inner wall. Structures at the facility (Figure 2) include a large vertical stand for testing liquid propellants (item 1), a checkout building (item 2), a control/observation building (item 3), a possible laboratory building (item 4), a warehouse for rail-to-rail transfer (item 8), fuel storage tanks (item 9), and engineering, shop, storage, and administration buildings.

The test stand is situated in the western part of the facility in the center of an excavation cut into the curve of a natural embankment. A service road from the fuel storage area leads to the base of the test stand and the natural drainage away from the stand is toward the Sylva River.

The test stand is apparently totally enclosed (Figure 3). It measures 75 by 75 feet and has an overall height of 190 feet, including base, tower, and structures atop the tower. No division between the base and the tower portions of the test stand is visible; the division is deduced as being located at the ramp level. The base or blast deflector is 100 feet high, and the tower or superstructure portion is 65 feet high. Atop the tower are a 25-foot-high boxlike structure measuring 75 by 20 feet and two tanks which are probably spherical, each measuring approximately 35 feet in diameter. At the 100-foot level (the top of the test stand base), a ramp approximately 25 feet wide leads to the road connecting with the checkout building 650 feet away. A bridge or conduit also joining the stand near the 100-foot level connects the stand with the control/observation building 200 feet to the northeast. An enclosed addition attached to the superstructure protrudes approximately 40 feet from the tower portion of the test stand on the side of the tower opposite the ramp. The blast pit at the foot of the stand is estimated to measure 150 by 85 feet.

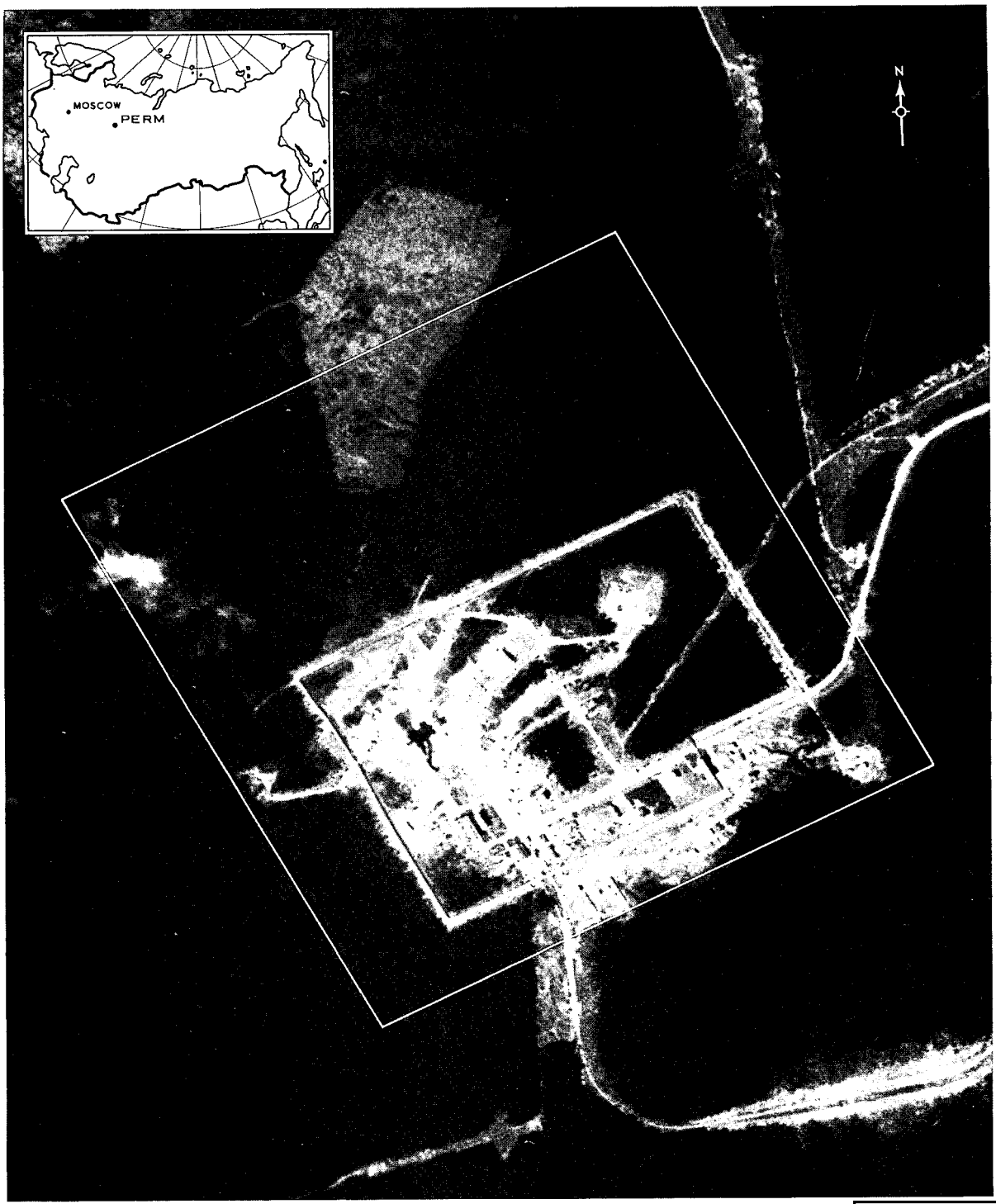

FIGURE 1. ROCKET TEST FACILITY NEAR PERM, USSR, [redacted]

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Description of Structures

Item	Description	Length (feet)	Width (feet)	Height (feet)	Roof Cover (square feet)
1	Test stand	75 x	75	190	--
2	Checkout building	195 x	120		23,400
3	Control/observation building	40 x	40		1,600
4	Possible laboratory	135 x	40		5,400
5	Possible shop building	120 x	45	--	5,400
6	Possible shop building	100 x	40	--	4,000
7	Unidentified building	100 x	40	--	4,000
8	Warehouse (rail-to-road transfer point)	160 x	110	--	17,600
9	Horizontal fuel storage tanks (10 tanks, each measuring 30 x 10 ft)	--		--	--
10	Unidentified building	100 x	30	--	3,000
11	Probable storage building	100 x	40	--	4,000
12	L-shaped bldg, probable shop section wing	60 x 30 x	30 30	--	2,700
13	Probable administration/engineering building	85 x	40	--	3,400
14	Probable personnel building	150 x	40	--	6,000
15	Probable storage building, damaged roof	140 x	45	--	6,300
16	Storage buildings (2) each	110 x	50	--	11,000
17	Possible transformer and switching building	60 x	30	--	1,800
18	Storage building	130 x	30	--	3,900
19	Unidentified building	75 x	30	--	2,250
20	Possible underground storage	--		--	--
				TOTAL ROOF COVER	105,750

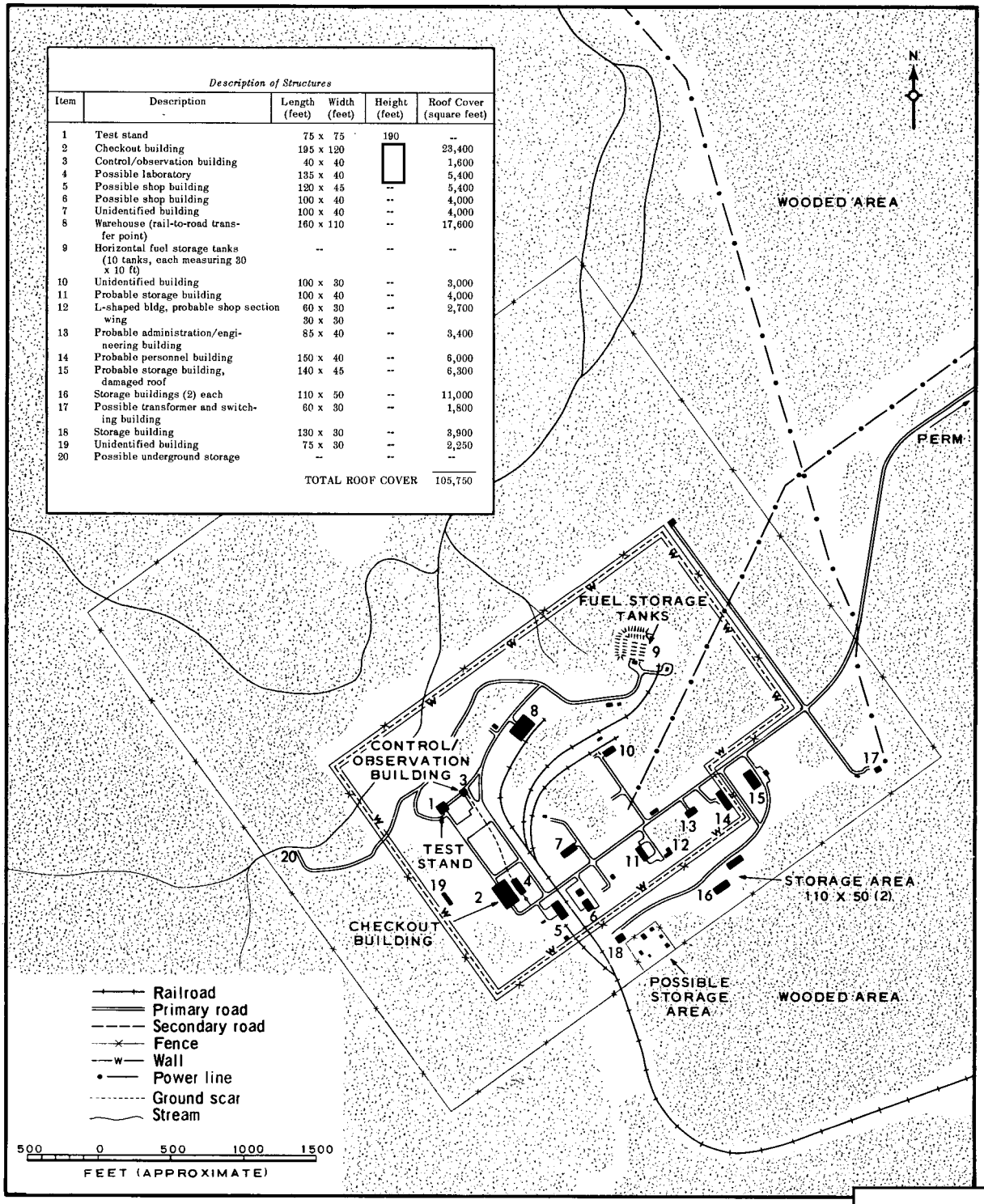

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FIGURE 2. LAYOUT OF ROCKET TEST FACILITY.

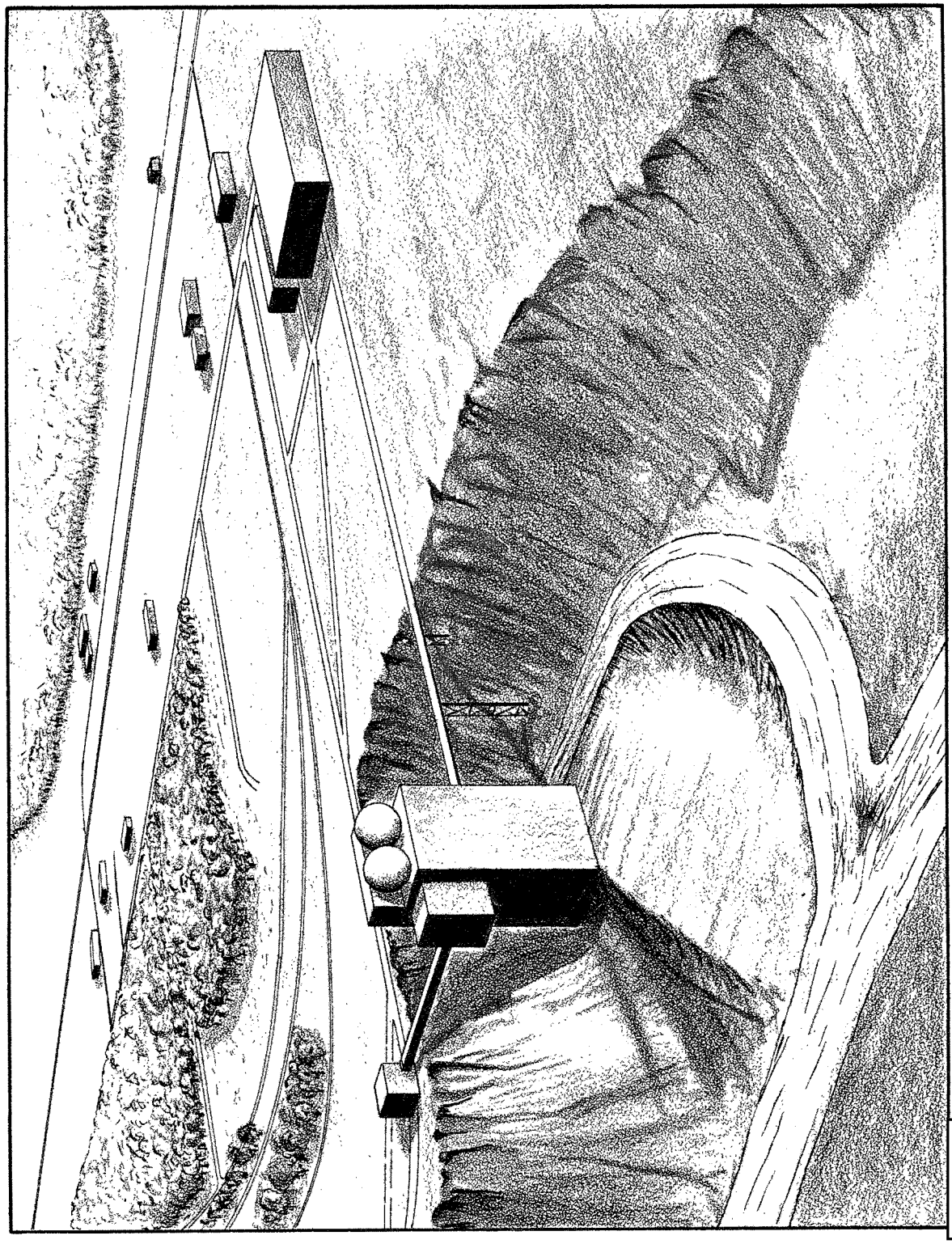

FIGURE 3. CONCEPT OF TEST STAND.

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REFERENCES

PHOTOGRAPHY 25X1D

[redacted]

MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0156-11AL, 2d ed, Nov 59, scale 1:200,000 (SECRET)

DOCUMENTS

25X1A

1. NPIC/R-118/63, Perm Rocket Test Facility, USSR, Jun 63 (TOP SECRET [redacted] 25X

[redacted] Supplement, Evaluation of Evidence on Soviet Guided Missile Production, Aug 63 (TOP SECRET [redacted]

X1 25X1C [redacted]

REQUIREMENT

CIA. C-RR3-80,447

NPIC PROJECT

J-270/63